BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13).

Measurement Sheet
First and Part

Item No: 64

Item Name: Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3As Per Direction of Engineer Incharge

CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
New Drain									
MOHANKUMAR NAGARA MAIN ROAD RHS From Kalyana Mantapa									
0.00	30.00	1	30.00	1.05	1.05	1.05	1.10	34.65	
30.00	44.70	1	14.70	1.05	1.05	1.05	1.10	16.98	
44.70	51.50	1	6.80						CR CULVERT-1
51.50	81.50	1	30.00	1.05	1.05	1.05	1.10	34.65	
81.50	104.70	1	23.20	1.05	1.05	1.05	1.10	26.80	
104.70	110.20	1	5.50						CR CULVERT-2
110.20	124.10	1	13.90	1.05	1.05	1.05	1.10	16.05	
124.10	130.00	1	5.90						CR CULVERT-3
130.00	146.90	1	16.90	1.05	1.05	1.05	1.10	19.52	
146.90	152.20	1	5.30						CR CULVERT-4
152.20	181.00	1	28.80	1.05	1.05	1.05	1.10	33.26	
181.00	187.40	1	6.40						CR CULVERT-5
187.40	217.40	1	30.00	1.05	1.05	1.05	1.10	34.65	
217.40	222.10	1	4.70	1.05	1.05	1.05	1.10	5.43	
MOHANKUMAR NAGARA MAIN ROAD RHS From Church To RO Plant									
0.00	30.00	1	30.00	1.20	1.20	1.20	1.25	45.00	
30.00	60.00	1	30.00	1.20	1.20	1.20	1.25	45.00	
60.00	67.90	1	7.90	1.20	1.20	1.20	1.25	11.85	
From RO Plant TO Minugu Thare Kalpana Road									
0.00	30.00	1	30.00	1.55	1.55	1.55	1.65	76.73	
30.00	40.60	1	10.60	1.55	1.55	1.55	1.65	27.11	
MOHANKUMAR NAGARA MAIN ROAD RHS From RO Plant									

Scanned with CamScanner

	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	0.00	25.30	1	25.30	1.05	1.05	1.05	1.10	29.22	
	25.30	32.70	1	7.40						CR CULVERT-6
	32.70	62.70	1	30.00	1.05	1.05	1.05	1.10	34.65	
	62.70	74.80	1	12.10	1.05	1.05	1.05	1.10	13.98	
	74.80	81.30	1	6.50						CR CULVERT-7
MOHANKUMAR NAGARA MAIN ROAD RHS From MASJID										
	0.00	30.00	1	30.00	1.05	1.05	1.05	1.10	34.65	
	30.00	36.00	1	6.00	1.05	1.05	1.05	1.10	6.93	
	36.00	42.00	1	6.00						CR CULVERT-8
	42.00	72.00	1	30.00	1.05	1.05	1.05	1.10	34.65	
	72.00	85.50	1	13.50	1.05	1.05	1.05	1.10	15.59	
	85.50	91.50	1	6.00						CR CULVERT-9
	91.50	112.60	1	21.10	1.05	1.05	1.05	1.10	24.37	
	112.60	116.50	1	3.90						CR CULVERT-10
	116.50	146.50	1	30.00	1.05	1.05	1.05	1.10	34.65	
	146.50	176.50	1	30.00	1.05	1.05	1.05	1.10	34.65	
	176.50	206.50	1	30.00	1.05	1.05	1.05	1.10	34.65	
	206.50	219.30	1	12.80	1.05	1.05	1.05	1.10	14.78	
Minugu Thare Kalpana Road (From sri Ganesh Juice And Chats)										
	0.00	30.00	1	30.00	1.80	1.80	1.80	1.15	62.10	
	30.00	60.00	1	30.00	1.80	1.80	1.80	1.35	72.90	
	60.00	74.30	1	14.30	1.80	1.80	1.80	1.35	34.75	
	74.30	80.30	1	6.00						CR CULVERT-1 Bs
	80.30	108.00	1	27.70	1.80	1.80	1.80	1.45	72.30	
	108.00	112.50	1	4.50						CR CULVERT-2Ps
	112.50	142.60	1	30.10	1.80	1.80	1.80	1.45	78.56	
	142.60	147.20	1	4.60						CR CULVERT-3 Ps
	147.20	173.50	1	26.30	1.80	1.80	1.80	1.55	73.38	
	173.50	178.30	1	4.80						CR CULVERT-4 Ps
	178.30	203.90	1	25.60	1.80	1.80	1.80	1.65	76.03	
	203.90	210.50	1	6.60						CR CULVERT-5 Ps
	210.50	232.60	1	22.10	1.80	1.80	1.80	1.65	65.64	
	232.60	239.60	1	7.00						CR CULVERT-6Ps
	239.60	261.40	1	21.80	1.80	1.80	1.80	1.95	76.52	
	261.40	265.30	1	3.90						CR CULVERT-7Ps
	265.30	287.50	1	22.20	1.80	1.80	1.80	1.95	77.92	
	287.50	291.40	1	3.90						CR CULVERT-8Ps
	291.40	321.40	1	30.00	1.80	1.80	1.80	1.95	105.30	
	321.40	351.40	1	30.00	1.80	1.80	1.80	2.05	110.70	
	351.40	375.60	1	24.20	2.20	2.20	2.20	2.15	114.47	

Scanned with CamScanner

	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	375.60	405.60	1	30.00	2.20	2.20	2.20	2.15	141.90	
	405.60	435.60	1	30.00	2.20	2.20	2.20	2.15	141.90	
	435.60	465.60	1	30.00	2.20	2.20	2.20	2.15	141.90	
	465.60	495.60	1	30.00	2.20	2.20	2.20	2.15	141.90	
	495.60	525.60	1	30.00	2.20	2.20	2.20	2.15	141.90	
	525.60	555.60	1	30.00	2.20	2.20	2.20	2.15	141.90	
	555.60	585.60	1	30.00	2.20	2.20	2.20	2.15	141.90	
	585.60	615.60	1	30.00	2.20	2.20	2.20	2.15	141.90	
	615.60	645.60	1	30.00	2.20	2.20	2.20	2.15	141.90	
	645.60	675.60	1	30.00	2.20	2.20	2.20	2.15	141.90	
	675.60	705.60	1	30.00	2.20	2.20	2.20	2.15	141.90	
	705.60	735.60	1	30.00	2.20	2.20	2.20	2.15	141.90	
	735.60	765.60	1	30.00	2.20	2.20	2.20	2.15	141.90	
	765.60	789.30	1	23.70	2.20	2.20	2.20	2.15	141.90	
LCR School to Danalakshmi Pride House									112.10	
	0.00	30.00	1	30.00	2.10	2.10	2.10	1.25	78.75	
	30.00	60.00	1	30.00	2.10	2.10	2.10	1.25	78.75	
	60.00	80.00	1	20.00	2.10	2.10	2.10	1.25	52.50	
New Culvert										
CULVERT-1										
Length From	0.00	6.80	1	6.80	1.20	1.20	1.20	1.20	9.79	
CULVERT-2										
Length From	0.00	5.50	1	5.50	1.20	1.20	1.20	1.20	7.92	
CULVERT-3										
Length From	0.00	5.90	1	5.90	1.20	1.20	1.20	1.20	8.50	
CULVERT-4										
Length From	0.00	5.30	1	5.30	1.20	1.20	1.20	1.20	7.63	
CULVERT-5										
Length From	0.00	6.40	1	6.40	1.20	1.20	1.20	1.20	9.22	
CULVERT-6										
Length From	0.00	7.40	1	7.40	1.20	1.20	1.20	1.20	10.66	
CULVERT-7										
Length From	0.00	6.50	1	6.50	1.20	1.20	1.20	1.20	9.36	
CULVERT-8										
Length From	0.00	6.00	1	6.00	1.20	1.20	1.20	1.20	8.64	
CULVERT-9										
Length From	0.00	6.00	1	6.00	1.20	1.20	1.20	1.20	8.64	
CULVERT-10										

Scanned with CamScanner

	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
Length From	0.00	3.90	1	3.90	1.20	1.20	1.20	1.20	5.62	
								Total Qty Work Done	4013.78	Cum
								Qty Payable in this bill	4013.78	Cum

Contractor Representative

Consultant Representative

Assistant Engineer

Asst. Executive Engineer
Yeshwanthpura S.D Division
Bruhat Bangalore Mahanagara Palike

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13).

Measurement Sheet

First and Part

Item No: 70

Item Name: Plain cement concrete M10 mix with crushed stone aggregate 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing including cost of materials, labour, HOM complete as per specifcations. MORTH Specifcation No. 408. As Per Direction of Engineer Incharge

CHAINAGE		NO	L	B	BI	Avg B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
New Drain									
MOHANKUMAR NAGARA MAIN ROAD RHS From Kalyana Mantapa									
0.00	30.00	1	30.00	1.05	1.05	1.05	0.15	4.73	
30.00	44.70	1	14.70	1.05	1.05	1.05	0.15	2.32	
44.70	51.50	1	6.80						CR CULVERT-1
51.50	81.50	1	30.00	1.05	1.05	1.05	0.15	4.73	
81.50	104.70	1	23.20	1.05	1.05	1.05	0.15	3.65	
104.70	110.20	1	5.50						CR CULVERT-2
110.20	124.10	1	13.90	1.05	1.05	1.05	0.15	2.19	
124.10	130.00	1	5.90						CR CULVERT-3
130.00	146.90	1	16.90	1.05	1.05	1.05	0.15	2.66	
146.90	152.20	1	5.30						CR CULVERT-4
152.20	181.00	1	28.80	1.05	1.05	1.05	0.15	4.54	
181.00	187.40	1	6.40						CR CULVERT-5
187.40	217.40	1	30.00	1.05	1.05	1.05	0.15	4.73	
217.40	222.10	1	4.70	1.05	1.05	1.05	0.15	0.74	
MOHANKUMAR NAGARA MAIN ROAD RHS From Church To RO Plant									
0.00	30.00	1	30.00	1.20	1.20	1.20	0.15	5.40	
30.00	60.00	1	30.00	1.20	1.20	1.20	0.15	5.40	
60.00	67.90	1	7.90	1.20	1.20	1.20	0.15	1.42	
From RO Plant TO Minugu Thare Kalpana Road									
0.00	30.00	1	30.00	1.55	1.55	1.55	0.15	6.98	
30.00	40.60	1	10.60	1.55	1.55	1.55	0.15	2.46	
MOHANKUMAR NAGARA MAIN ROAD RHS From RO Plant									
0.00	25.30	1	25.30	1.05	1.05	1.05	0.15	3.98	

Scanned with CamScanner

	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	25.30	32.70	1	7.40						CR CULVERT-6
	32.70	62.70	1	30.00	1.05	1.05	1.05	0.15	4.73	
	62.70	74.80	1	12.10	1.05	1.05	1.05	0.15	1.91	
	74.80	81.30	1	6.50						CR CULVERT-7
	MOHANKUMAR NAGARA MAIN ROAD RHS From MASJID									
	0.00	30.00	1	30.00	1.05	1.05	1.05	0.15	4.73	
	30.00	36.00	1	6.00	1.05	1.05	1.05	0.15	0.95	
	36.00	42.00	1	6.00						CR CULVERT-8
	42.00	72.00	1	30.00	1.05	1.05	1.05	0.15	4.73	
	72.00	85.50	1	13.50	1.05	1.05	1.05	0.15	2.13	
	85.50	91.50	1	6.00						CR CULVERT-9
	91.50	112.60	1	21.10	1.05	1.05	1.05	0.15	3.32	
	112.60	116.50	1	3.90						CR CULVERT-10
	116.50	146.50	1	30.00	1.05	1.05	1.05	0.15	4.73	
	146.50	176.50	1	30.00	1.05	1.05	1.05	0.15	4.73	
	176.50	206.50	1	30.00	1.05	1.05	1.05	0.15	4.73	
	206.50	219.30	1	12.80	1.05	1.05	1.05	0.15	2.02	
	Minugu Thare Kalpana Road (From sri Ganesh Juice And Chats)									
	0.00	30.00	1	30.00	1.80	1.80	1.80	0.15	8.10	
	30.00	60.00	1	30.00	1.80	1.80	1.80	0.15	8.10	
	60.00	74.30	1	14.30	1.80	1.80	1.80	0.15	3.86	
	74.30	80.30	1	6.00						CR CULVERT-1 Bs
	80.30	108.00	1	27.70	1.80	1.80	1.80	0.15	7.48	
	108.00	112.50	1	4.50						CR CULVERT-2Ps
	112.50	142.60	1	30.10	1.80	1.80	1.80	0.15	8.13	
	142.60	147.20	1	4.60						CR CULVERT-3 Ps
	147.20	173.50	1	26.30	1.80	1.80	1.80	0.15	7.10	
	173.50	178.30	1	4.80						CR CULVERT-4 Ps
	178.30	203.90	1	25.60	1.80	1.80	1.80	0.15	6.91	
	203.90	210.50	1	6.60						CR CULVERT-5 Ps
	210.50	232.60	1	22.10	1.80	1.80	1.80	0.15	5.97	
	232.60	239.60	1	7.00						CR CULVERT-6Ps
	239.60	261.40	1	21.80	1.80	1.80	1.80	0.15	5.89	
	261.40	265.30	1	3.90						CR CULVERT-7Ps
	265.30	287.50	1	22.20	1.80	1.80	1.80	0.15	5.99	
	287.50	291.40	1	3.90						CR CULVERT-8Ps
	291.40	321.40	1	30.00	1.80	1.80	1.80	0.15	8.10	
	321.40	351.40	1	30.00	1.80	1.80	1.80	0.15	8.10	
	351.40	375.60	1	24.20	2.20	2.20	2.20	0.15	7.99	
	375.60	405.60	1	30.00	2.20	2.20	2.20	0.15	9.90	

Scanned with CamScanner

	CHAINAGE		NO	L	B	Bl	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	405.60	435.60	1	30.00	2.20	2.20	2.20	0.15	9.90	
	435.60	465.60	1	30.00	2.20	2.20	2.20	0.15	9.90	
	465.60	495.60	1	30.00	2.20	2.20	2.20	0.15	9.90	
	495.60	525.60	1	30.00	2.20	2.20	2.20	0.15	9.90	
	525.60	555.60	1	30.00	2.20	2.20	2.20	0.15	9.90	
	555.60	585.60	1	30.00	2.20	2.20	2.20	0.15	9.90	
	585.60	615.60	1	30.00	2.20	2.20	2.20	0.15	9.90	
	615.60	645.60	1	30.00	2.20	2.20	2.20	0.15	9.90	
	645.60	675.60	1	30.00	2.20	2.20	2.20	0.15	9.90	
	675.60	705.60	1	30.00	2.20	2.20	2.20	0.15	9.90	
	705.60	735.60	1	30.00	2.20	2.20	2.20	0.15	9.90	
	735.60	765.60	1	30.00	2.20	2.20	2.20	0.15	9.90	
	765.60	789.30	1	23.70	2.20	2.20	2.20	0.15	9.90	
	LCR School to Danalakshmi Pride House								7.82	
	0.00	30.00	1	30.00	2.10	2.10	2.10	0.15	9.45	
	30.00	60.00	1	30.00	2.10	2.10	2.10	0.15	9.45	
	60.00	80.00	1	20.00	2.10	2.10	2.10	0.15	6.30	
	New Culvert									
	CULVERT-1									
Length From	0.00	6.80	1	6.80	1.20	1.20	1.20	0.15	1.22	
	CULVERT-2									
Length From	0.00	5.50	1	5.50	1.20	1.20	1.20	0.15	0.99	
	CULVERT-3									
Length From	0.00	5.90	1	5.90	1.20	1.20	1.20	0.15	1.06	
	CULVERT-4									
Length From	0.00	5.30	1	5.30	1.20	1.20	1.20	0.15	0.95	
	CULVERT-5									
Length From	0.00	6.40	1	6.40	1.20	1.20	1.20	0.15	1.15	
	CULVERT-6									
Length From	0.00	7.40	1	7.40	1.20	1.20	1.20	0.15	1.33	
	CULVERT-7									
Length From	0.00	6.50	1	6.50	1.20	1.20	1.20	0.15	1.17	
	CULVERT-8									
Length From	0.00	6.00	1	6.00	1.20	1.20	1.20	0.15	1.08	
	CULVERT-9									
Length From	0.00	6.00	1	6.00	1.20	1.20	1.20	0.15	1.08	
	CULVERT-10									
Length From	0.00	3.90	1	3.90	1.20	1.20	1.20	0.15	0.70	

Scanned with CamScanner

	CHAINAGE / Land Mark	NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
							Total Qty Work Done	358.76	Cum
							Qty Payable in this bill	358.76	Cum

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer 07/03/2021

Asst.Executive Engineer
Yashwanthapura Sub Division

07/07/2021

Asst. Executive Engineer
Yeshwanthpura Sub-Division
Bruhat Bangalore Mahanagara Palike

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13).

Measurement Sheet

First and Part

Item No: 71

Item Name: Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fne aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specifcation No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifcations. -do- Wall & bottom thickness 15cmAs Per Direction of Engineer Incharge

CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
New Drain									
MOHANKUMAR NAGARA MAIN ROAD RHS From Kalyana Mantapa									
0.00	30.00	1	30.00	1.05	1.05	1.05	0.15	4.73	
30.00	44.70	1	14.70	1.05	1.05	1.05	0.15	2.32	
44.70	51.50	1	6.80						CR CULVERT-1
51.50	81.50	1	30.00	1.05	1.05	1.05	0.15	4.73	
81.50	104.70	1	23.20	1.05	1.05	1.05	0.15	3.65	
104.70	110.20	1	5.50						CR CULVERT-2
110.20	124.10	1	13.90	1.05	1.05	1.05	0.15	2.19	
124.10	130.00	1	5.90						CR CULVERT-3
130.00	146.90	1	16.90	1.05	1.05	1.05	0.15	2.66	
146.90	152.20	1	5.30						CR CULVERT-4
152.20	181.00	1	28.80	1.05	1.05	1.05	0.15	4.54	
181.00	187.40	1	6.40						CR CULVERT-5
187.40	217.40	1	30.00	1.05	1.05	1.05	0.15	4.73	
217.40	222.10	1	4.70	1.05	1.05	1.05	0.15	0.74	
MOHANKUMAR NAGARA MAIN ROAD RHS From Church To RO Plant									
0.00	30.00	1	30.00	1.20	1.20	1.20	0.15	5.40	
30.00	60.00	1	30.00	1.20	1.20	1.20	0.15	5.40	
60.00	67.90	1	7.90	1.20	1.20	1.20	0.15	1.42	
From RO Plant TO Minugu Thare Kalpana Road									
0.00	30.00	1	30.00	1.55	1.55	1.55	0.15	6.98	
30.00	40.60	1	10.60	1.55	1.55	1.55	0.15	2.46	
MOHANKUMAR NAGARA MAIN ROAD RHS From RO Plant									
0.00	25.30	1	25.30	1.05	1.05	1.05	0.15	3.98	
25.30	32.70	1	7.40						CR CULVERT-6
32.70	62.70	1	30.00	1.05	1.05	1.05	0.15	4.73	
62.70	74.80	1	12.10	1.05	1.05	1.05	0.15	1.91	

Scanned with CamScanner

CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
74.80	81.30	1	6.50						CR CULVERT-7
MOHANKUMAR NAGARA MAIN ROAD RHS From MASJID									
0.00	30.00	1	30.00	1.05	1.05	1.05	0.15	4.73	
30.00	36.00	1	6.00	1.05	1.05	1.05	0.15	0.95	
36.00	42.00	1	6.00						CR CULVERT-8
42.00	72.00	1	30.00	1.05	1.05	1.05	0.15	4.73	
72.00	85.50	1	13.50	1.05	1.05	1.05	0.15	2.13	
85.50	91.50	1	6.00						CR CULVERT-9
91.50	112.60	1	21.10	1.05	1.05	1.05	0.15	3.32	
112.60	116.50	1	3.90						CR CULVERT-10
116.50	146.50	1	30.00	1.05	1.05	1.05	0.15	4.73	
146.50	176.50	1	30.00	1.05	1.05	1.05	0.15	4.73	
176.50	206.50	1	30.00	1.05	1.05	1.05	0.15	4.73	
206.50	219.30	1	12.80	1.05	1.05	1.05	0.15	2.02	
Minugu Thare Kalpana Road (From sri Ganesh Juice And Chats)									
0.00	30.00	1	30.00	1.80	1.80	1.80	0.15	8.10	
30.00	60.00	1	30.00	1.80	1.80	1.80	0.15	8.10	
60.00	74.30	1	14.30	1.80	1.80	1.80	0.15	3.86	
74.30	80.30	1	6.00						CR CULVERT-1 Bs
80.30	108.00	1	27.70	1.80	1.80	1.80	0.15	7.48	
108.00	112.50	1	4.50						CR CULVERT-2Ps
112.50	142.60	1	30.10	1.80	1.80	1.80	0.15	8.13	
142.60	147.20	1	4.60						CR CULVERT-3 Ps
147.20	173.50	1	26.30	1.80	1.80	1.80	0.15	7.10	
173.50	178.30	1	4.80						CR CULVERT-4 Ps
178.30	203.90	1	25.60	1.80	1.80	1.80	0.15	6.91	
203.90	210.50	1	6.60						CR CULVERT-5 Ps
210.50	232.60	1	22.10	1.80	1.80	1.80	0.15	5.97	
232.60	239.60	1	7.00						CR CULVERT-6Ps
239.60	261.40	1	21.80	1.80	1.80	1.80	0.15	5.89	
261.40	265.30	1	3.90						CR CULVERT-7Ps
265.30	287.50	1	22.20	1.80	1.80	1.80	0.15	5.99	
287.50	291.40	1	3.90						CR CULVERT-8Ps
291.40	321.40	1	30.00	1.80	1.80	1.80	0.15	8.10	
321.40	351.40	1	30.00	1.80	1.80	1.80	0.15	8.10	
351.40	375.60	1	24.20	2.20	2.20	2.20	0.15	7.99	
375.60	405.60	1	30.00	2.20	2.20	2.20	0.15	9.90	
405.60	435.60	1	30.00	2.20	2.20	2.20	0.15	9.90	
435.60	465.60	1	30.00	2.20	2.20	2.20	0.15	9.90	
465.60	495.60	1	30.00	2.20	2.20	2.20	0.15	9.90	
495.60	525.60	1	30.00	2.20	2.20	2.20	0.15	9.90	
525.60	555.60	1	30.00	2.20	2.20	2.20	0.15	9.90	

Scanned with CamScanner

	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	555.60	585.60	1	30.00	2.20	2.20	2.20	0.15	9.90	
	585.60	615.60	1	30.00	2.20	2.20	2.20	0.15	9.90	
	615.60	645.60	1	30.00	2.20	2.20	2.20	0.15	9.90	
	645.60	675.60	1	30.00	2.20	2.20	2.20	0.15	9.90	
	675.60	705.60	1	30.00	2.20	2.20	2.20	0.15	9.90	
	705.60	735.60	1	30.00	2.20	2.20	2.20	0.15	9.90	
	735.60	765.60	1	30.00	2.20	2.20	2.20	0.15	9.90	
	765.60	789.30	1	23.70	2.20	2.20	2.20	0.15	7.82	
	LCR School to Danalakshmi Pride House									
	0.00	30.00	1	30.00	2.10	2.10	2.10	0.15	9.45	
	30.00	60.00	1	30.00	2.10	2.10	2.10	0.15	9.45	
	60.00	80.00	1	20.00	2.10	2.10	2.10	0.15	6.30	
	New Culvert									
	CULVERT-1									
Length From	0.00	6.80	1	6.80	1.20	1.20	1.20	0.15	1.22	
	CULVERT-2									
Length From	0.00	5.50	1	5.50	1.20	1.20	1.20	0.15	0.99	
	CULVERT-3									
Length From	0.00	5.90	1	5.90	1.20	1.20	1.20	0.15	1.06	
	CULVERT-4									
Length From	0.00	5.30	1	5.30	1.20	1.20	1.20	0.15	0.95	
	CULVERT-5									
Length From	0.00	6.40	1	6.40	1.20	1.20	1.20	0.15	1.15	
	CULVERT-6									
Length From	0.00	7.40	1	7.40	1.20	1.20	1.20	0.15	1.33	
	CULVERT-7									
Length From	0.00	6.50	1	6.50	1.20	1.20	1.20	0.15	1.17	
	CULVERT-8									
Length From	0.00	6.00	1	6.00	1.20	1.20	1.20	0.15	1.08	
	CULVERT-9									
Length From	0.00	6.00	1	6.00	1.20	1.20	1.20	0.15	1.08	
	CULVERT-10									
Length From	0.00	3.90	1	3.90	1.20	1.20	1.20	0.15	0.70	
	Wall									
	New Drain									
	MOHANKUMAR NAGARA MAIN ROAD RHS From Kalyana Mantapa									
	0.00	30.00	2	30.00	0.15	0.15	0.15	0.75	6.75	
	30.00	44.70	2	14.70	0.15	0.15	0.15	0.75	3.31	
	44.70	51.50	2	6.80						CR CULVERT-1
	51.50	81.50	2	30.00	0.15	0.15	0.15	0.75	6.75	
	81.50	104.70	2	23.20	0.15	0.15	0.15	0.75	5.22	

Scanned with CamScanner

CHAINAGE		NO	L	B	BI	Avg B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
104.70	110.20	2	5.50						
110.20	124.10	2	13.90	0.15	0.15	0.15	0.75	3.13	CR CULVERT-2
124.10	130.00	2	5.90						
130.00	146.90	2	16.90	0.15	0.15	0.15	0.75	3.80	CR CULVERT-3
146.90	152.20	2	5.30						
152.20	181.00	2	28.80	0.15	0.15	0.15	0.75	6.48	CR CULVERT-4
181.00	187.40	2	6.40						
187.40	217.40	2	30.00	0.15	0.15	0.15	0.75	6.75	CR CULVERT-5
217.40	222.10	2	4.70	0.15	0.15	0.15	0.75	1.06	
MOHANKUMAR NAGARA MAIN ROAD RHS From Church To RO Plant									
0.00	30.00	2	30.00	0.15	0.15	0.15	0.90	8.10	
30.00	60.00	2	30.00	0.15	0.15	0.15	0.90	8.10	
60.00	67.90	2	7.90	0.15	0.15	0.15	0.90	2.13	
From RO Plant TO Minugu Thare Kalpana Road									
0.00	30.00	2	30.00	0.20	0.20	0.20	1.30	15.60	
30.00	40.60	2	10.60	0.20	0.20	0.20	1.30	5.51	
MOHANKUMAR NAGARA MAIN ROAD RHS From RO Plant									
0.00	25.30	2	25.30	0.15	0.15	0.15	0.75	5.69	
25.30	32.70	2	7.40						
32.70	62.70	2	30.00	0.15	0.15	0.15	0.75	6.75	CR CULVERT-6
62.70	74.80	2	12.10	0.15	0.15	0.15	0.75	2.72	
74.80	81.30	2	6.50						
MOHANKUMAR NAGARA MAIN ROAD RHS From MASJID									CR CULVERT-7
0.00	30.00	2	30.00	0.15	0.15	0.15	0.75	6.75	
30.00	36.00	2	6.00	0.15	0.15	0.15	0.75	1.35	
36.00	42.00	2	6.00						
42.00	72.00	2	30.00	0.15	0.15	0.15	0.75	6.75	CR CULVERT-8
72.00	85.50	2	13.50	0.15	0.15	0.15	0.75	3.04	
85.50	91.50	2	6.00						
91.50	112.60	2	21.10	0.15	0.15	0.15	0.75	4.75	CR CULVERT-9
112.60	116.50	2	3.90						
116.50	146.50	2	30.00	0.15	0.15	0.15	0.75	6.75	CR CULVERT-10
146.50	176.50	2	30.00	0.15	0.15	0.15	0.75	6.75	
176.50	206.50	2	30.00	0.15	0.15	0.15	0.75	6.75	
206.50	219.30	2	12.80	0.15	0.15	0.15	0.75	2.88	
Minugu Thare Kalpana Road (From sri Ganesh Juice And Chats)									
0.00	30.00	2	30.00	0.23	0.23	0.23	1.00	13.80	
30.00	60.00	2	30.00	0.23	0.23	0.23	1.20	16.56	
60.00	74.30	2	14.30	0.23	0.23	0.23	1.20	7.89	
74.30	80.30	2	6.00						CR CULVERT-1 Bs
80.30	108.00	2	27.70	0.23	0.23	0.23	1.30	16.56	
108.00	112.50	2	4.50						CR CULVERT-2Ps

Scanned with CamScanner

	CHAINAGE		NO	L	B	BI	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	112.50	142.60	2	30.10	0.23	0.23	0.23	1.30	18.00	
	142.60	147.20	2	4.60						CR CULVERT-3 Ps
	147.20	173.50	2	26.30	0.23	0.23	0.23	1.50	18.15	
	173.50	178.30	2	4.80						CR CULVERT-4 Ps
	178.30	203.90	2	25.60	0.23	0.23	0.23	1.50	17.66	
	203.90	210.50	2	6.60						CR CULVERT-5 Ps
	210.50	232.60	2	22.10	0.23	0.23	0.23	1.80	18.30	
	232.60	239.60	2	7.00						CR CULVERT-6Ps
	239.60	261.40	2	21.80	0.23	0.23	0.23	1.80	18.05	
	261.40	265.30	2	3.90						CR CULVERT-7Ps
	265.30	287.50	2	22.20	0.23	0.23	0.23	1.80	18.38	
	287.50	291.40	2	3.90						CR CULVERT-8Ps
	291.40	321.40	2	30.00	0.23	0.23	0.23	1.90	26.22	
	321.40	351.40	2	30.00	0.23	0.23	0.23	1.90	26.22	
	351.40	375.60	2	24.20	0.23	0.23	0.23	2.00	22.26	
	375.60	405.60	2	30.00	0.23	0.23	0.23	2.00	27.60	
	405.60	435.60	2	30.00	0.23	0.23	0.23	2.00	27.60	
	435.60	465.60	2	30.00	0.23	0.23	0.23	2.00	27.60	
	465.60	495.60	2	30.00	0.23	0.23	0.23	2.00	27.60	
	495.60	525.60	2	30.00	0.23	0.23	0.23	2.00	27.60	
	525.60	555.60	2	30.00	0.23	0.23	0.23	2.00	27.60	
	555.60	585.60	2	30.00	0.23	0.23	0.23	2.00	27.60	
	585.60	615.60	2	30.00	0.23	0.23	0.23	2.00	27.60	
	615.60	645.60	2	30.00	0.23	0.23	0.23	2.00	27.60	
	645.60	675.60	2	30.00	0.23	0.23	0.23	2.00	27.60	
	675.60	705.60	2	30.00	0.23	0.23	0.23	2.00	27.60	
	705.60	735.60	2	30.00	0.23	0.23	0.23	2.00	27.60	
	735.60	765.60	2	30.00	0.23	0.23	0.23	2.00	27.60	
	765.60	789.30	2	23.70	0.23	0.23	0.23	2.00	27.60	
Minugu Thare Kalpana Road (From sri Ganesh Juice And Chats) Slab									21.80	
	351.40	375.60	1	24.20	2.20	2.20	2.20	0.20	10.65	
	375.60	405.60	1	30.00	2.20	2.20	2.20	0.20	13.20	
	405.60	435.60	1	30.00	2.20	2.20	2.20	0.20	13.20	
	435.60	465.60	1	30.00	2.20	2.20	2.20	0.20	13.20	
	465.60	495.60	1	30.00	2.20	2.20	2.20	0.20	13.20	
	495.60	525.60	1	30.00	2.20	2.20	2.20	0.20	13.20	
	525.60	555.60	1	30.00	2.20	2.20	2.20	0.20	13.20	
	555.60	585.60	1	30.00	2.20	2.20	2.20	0.20	13.20	
	585.60	615.60	1	30.00	2.20	2.20	2.20	0.20	13.20	
	615.60	645.60	1	30.00	2.20	2.20	2.20	0.20	13.20	
	645.60	675.60	1	30.00	2.20	2.20	2.20	0.20	13.20	
	675.60	705.60	1	30.00	2.20	2.20	2.20	0.20	13.20	
	705.60	735.60	1	30.00	2.20	2.20	2.20	0.20	13.20	
	735.60	765.60	1	30.00	2.20	2.20	2.20	0.20	13.20	
	765.60	789.30	1	23.70	2.20	2.20	2.20	0.20	10.43	
LCR School to Danalakshmi Pride House										
	0.00	30.00	2	30.00	0.23	0.23	0.23	0.90	12.42	

Scanned with CamScanner

	CHAINAGE		NO	L	B	BI	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	30.00	60.00	2	30.00	0.23	0.23	0.23	0.90	12.42	
	60.00	80.00	2	20.00	0.23	0.23	0.23	0.90	8.28	
			New Culvert							
	0.00	6.80	2	6.80	0.20	0.20	0.20	0.75	2.04	
			CULVERT-1							
	0.00	5.50	2	5.50	0.20	0.20	0.20	0.75	1.65	
			CULVERT-2							
	0.00	5.90	2	5.90	0.20	0.20	0.20	0.75	1.77	
			CULVERT-3							
	0.00	5.30	2	5.30	0.20	0.20	0.20	0.75	1.59	
			CULVERT-4							
	0.00	6.40	2	6.40	0.20	0.20	0.20	0.75	1.92	
			CULVERT-5							
	0.00	7.40	2	7.40	0.20	0.20	0.20	0.75	2.22	
			CULVERT-6							
	0.00	6.50	2	6.50	0.20	0.20	0.20	0.75	1.95	
			CULVERT-7							
	0.00	6.00	2	6.00	0.20	0.20	0.20	0.75	1.80	
			CULVERT-8							
	0.00	6.00	2	6.00	0.20	0.20	0.20	0.75	1.80	
			CULVERT-9							
	0.00	3.90	2	3.90	0.20	0.20	0.20	0.75	1.17	
								Total Qty Work Done	1364.76	Cum
								Qty Payable in this bill	1355.39	Cum

Checked

Contractor Representative

Consultant-Representative

Assistant Engineer

Asst. Executive Engineer
Yashwanthapura Sub Division

Asst. Executive Engineer
Yeshwanthpura Sub Division
Bruhat Bangalore Mahanagara Palike

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13).

Item No : 72

Item Name : TMT/MS Bar Reinforcement KSRRB M2200-6. Supplying, fitting and placing TMT bar reinforcement in sub-structure complete as per drawing and Technical Specifications complete as per specificationsMORTH SpecificationAs Per Direction of Engineer Incharge

Pre measurement of Steel

Sl no	Dia of Bar in mm	Side	Spacing of Bar	Nos	Length of Bar in mtr	Total Length of Bar in mtr	Type of Bar	Standard Weight per Meter in kgs	Weight of Steel in kgs	Remarks
MOHANKUMAR NAGARA MAIN ROAD RHS From Kalyana Mantapa										
1	10	1	125mm C/C	1538	2.25	3459.60	Main Bar	0.617	2135.56	
2	8	1	125mm C/C	18	192.20	3459.60	Distrubuation	0.395	1366.76	
MOHANKUMAR NAGARA MAIN ROAD RHS From Church To RO Plant										
1	10	1	125mm C/C	543	2.70	1466.64	Main Bar	0.617	905.33	
2	8	1	125mm C/C	22	67.90	1466.64	Distrubuation	0.395	579.41	
From RO Plant TO Minugu Thare Kalpana Road										
1	10	2	125mm C/C	325	3.60	2338.56	Main Bar	0.617	1443.56	
2	10	2	125mm C/C	29	40.60	2338.56	Distrubuation	0.617	1443.56	
MOHANKUMAR NAGARA MAIN ROAD RHS From RO Plant										
1	10	1	125mm C/C	539	2.25	1213.20	Main Bar	0.617	748.89	
2	8	1	125mm C/C	18	67.40	1213.20	Distrubuation	0.395	479.29	
MOHANKUMAR NAGARA MAIN ROAD RHS From MASJID										
1	10	1	100mm C/C	2034	2.25	4576.50	Main Bar	0.617	2825.00	
2	8	1	125mm C/C	18	203.40	3661.20	Distrubuation	0.395	1446.40	
Minugu Thare Kalpana Road (From sri Ganesh Juice And Chats)										
1	12	2	125mm C/C	2481	5.90	29273.44	Main Bar	0.889	26020.84	
2	10	2	125mm C/C	47	310.10	29273.44	Distrubuation	0.617	18070.02	
LCR School to Danalakshmi Pride House										
1	10	2	125mm C/C	640	4.00	5120.00	Main Bar	0.617	3160.49	
2	10	2	125mm C/C	32	80.00	5120.00	Distrubuation	0.617	3160.49	
Minugu Thare Kalpana Road (From sri Ganesh Juice And Chats) Slab										
1	12	2	125mm C/C	3503	2.20	15414.08	Main Bar	0.889	13701.40	
2	10	2	125mm C/C	18	437.90	15414.08	Distrubuation	0.617	9514.86	
CULVERT-1										
1	10	2	125mm C/C	54	2.60	282.88	Main Bar	0.617	174.62	
2	8	2	125mm C/C	21	6.80	282.88	Distrubuation	0.395	111.76	
CULVERT-2										
1	10	2	125mm C/C	44	2.60	228.80	Main Bar	0.617	141.23	
2	8	2	125mm C/C	21	5.50	228.80	Distrubuation	0.395	90.39	
CULVERT-3										
1	10	2	125mm C/C	47	2.60	245.44	Main Bar	0.617	151.51	
2	8	2	125mm C/C	21	5.90	245.44	Distrubuation	0.395	96.96	
CULVERT-4										
1	10	2	125mm C/C	42	2.60	220.48	Main Bar	0.617	136.10	
2	8	2	125mm C/C	21	5.30	220.48	Distrubuation	0.395	87.10	
CULVERT-5										
1	10	2	125mm C/C	51	2.60	266.24	Main Bar	0.617	164.35	
2	8	2	125mm C/C	21	6.40	266.24	Distrubuation	0.395	105.18	
CULVERT-6										
1	10	2	125mm C/C	59	2.60	307.84	Main Bar	0.617	190.02	
2	8	2	125mm C/C	21	7.40	307.84	Distrubuation	0.395	121.62	
CULVERT-7										
1	10	2	125mm C/C	52	2.60	270.40	Main Bar	0.617	166.91	
2	8	2	125mm C/C	21	6.50	270.40	Distrubuation	0.395	106.82	
CULVERT-8										
1	10	2	125mm C/C	48	2.60	249.60	Main Bar	0.617	154.07	

Scanned with CamScanner

2	8	2	125mm C/C	21	6.00	249.60	Distrubuation	0.395	98.61	
						CULVERT-9				
1	10	2	125mm C/C	48	2.60	249.60	Main Bar	0.617	154.07	
2	8	2	125mm C/C	21	6.00	249.60	Distrubuation	0.395	98.61	
						CULVERT-10				
1	10	2	125mm C/C	31	2.60	162.24	Main Bar	0.617	100.15	
2	8	2	125mm C/C	21	3.90	162.24	Distrubuation	0.395	64.09	
								Total Quantity of Steel in Kg's	89516.0	kgs
								Total Quantity of Steel in Tonne's	89.52	Tonnes
								Total Quantity of Steel Payable in this Bill in Tonne's	88.56	Tonnes

Contractor Representative

Assistant Engineer

Consultant Representative

Asst. Executive Engineer
Yeshwanthapura Sub Division
Bruhat Bangalore Mahanagara Palike

Scanned with CamScanner